

Studies on Liquid Entrainment. Evaporation of  
Radioactive Liquid Waste, by Nobuo Mitsubishi,  
Yuji Matsuuda, Yutaka Yamamoto, Yoshitoshi Oyama,  
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JAPANESE, per, Kagaku Kogaku, Vol XXII, 1958,  
pp 680-686.

AEC Tr-4225

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The Liquid Entrainment and Its Removal of Large-Scale Evaporation Unit. Evaporation of Radioactive Liquid Waste, by Nobuo Mitsuishi, Sadahiro Sakata, Yuji Matsuda, Yutaka Yamamoto, pp ~~452~~ 1-11.

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ABC Tr-4225

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63-22304

Matsuda, Yoshiro, Nakahara, Yoshiro and others.  
METHOD OF PRODUCING AROMATIC ACID  
ANHYDRIDE POLYMER. July 63, 11p. 2 refs.  
Order from SA \$19.00 SA Code-P-206

Trans. in manuscript of published Japanese patent  
10944/1962, cl. 26-D-0, appl. no. 2644/1960 filed  
28 Jan 60, pub. 13 Aug 62, by Dai-Nihon Celluoid Co.,  
Ltd.

DESCRIPTORS: \*Polyester plastics, Carboxylic acids,  
Anhydrides, Chlorides, \*Phthalic acids, Phenyl  
radicals, \*Ethanes, \*Propanes, \*Ethyl ethers,  
Polymerization.

(Materials--Plastics, TT, v. 10, no. 9)

I. Matsuda, Y.  
II. Nakahara, Y.  
III. Patent (Japan) pub.  
37-10 944  
IV. SA Code-P-206  
V. Setzaburo Aoki (Japan)

Office of Technical Services

The Separation of Fluoride Ions by Means of Ion  
Exchange Resins, by W. Funasaka, M. Kawano,  
T. Kojima, Y. Matsuda, 9 pp.

JAPANESE, per, Bunseki Kagaku, Vol IV, 1955,  
pp 514-517.

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Temperatures. II - Kinetic Treatment, by  
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IN JAPANESE, par, Kobunshi Kagaku, Vol XVII, 1960,  
pp 413-416.

NLL M 8841

Sci - Chem, & Engr  
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63-16441

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Masashi.

SURFACE ACTIVE AGENT FROM WASTE FILTRATE  
OF MONO-CHLOROACETIC ACID MANUFACTURE.

[1963] 6p. 1 ref.

Order from OTS or SLA \$1.10

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I. Matsuda, Y.

II. Nakahara, Y.

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IV. Patent (Japan) pub. 37-824

Trans. of Japanese patent [publication] 1962-824.

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Co. Ltd.

DESCRIPTORS: \*Chloroacetic acids, \*Wastes  
(Industrial), \*Surface-active substances, Manufacturing  
methods, Fatty acids, Amines, Solvents, Acetones,  
Methyl radicals, Ethyl radicals, Butyl radicals,  
Ketones, Acetates, Ethers.

1144586

(Engineering--Chemical, TT, v. 10, no. 6)

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HIGH POLYMERS AS FUEL BINDERS. [1961] 15p.  
Order from ATS \$21.60      ATS-66N51J

Trans. of Kogyo Kagaku Zasshi (Japan) 1960, v. 63,  
no. 11, p. 1869-1875.

DESCRIPTORS: \*Binders, Fuels, \*Polymers.

I. Matsuda, Y.  
II. Tanaka, A.  
III. ATS-66N51J  
IV. Associated Technical  
Services, Inc., East  
Orange, N. J.

ATS-JJ-3521

Office of Technical Services

(Materials--Fuels, TT, v. 6, no. 3)

83  
Synthesis of Organic Compounds by Electric  
Discharge - Part 9: Reaction of Ethylene  
with Ammonia by Silent Electric Discharge,  
by T. Matsuda, K. Odo.  
JAPANESE, per, Nippon Kagaku Zasshi, Vol 79,  
No 3, 1958, pp 324-329.  
CEEB/O.A. Trans 615

*T. Matsuda*

Sci-Elec  
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Education Research Meeting, by Matsuda Sadao, 8 pp.  
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Tr No 103651 (1a)  
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Mar 61

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Matsuda, S. and Matsuda, H.  
SYNTHESES OF DIALKYL TIN DIODIDES. [1960]  
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no. 1, p. 114-118.

ATS-51-32-33

(Chemistry--Organic, TT, v. 5, no. 7)

61-12664

1. Tin iodides--Synthesis
2. Tin compounds (Organic)--  
Synthesis
- I. Matsuda, S.
- II. Matsuda, H.
- III. ATS-51M47J
- IV. Associated Technical  
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Studies of Maleic Anhydride Derivatives and  
Their Utilization VI. The Synthesis of  
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Derivatives and Their Anticonvulsant Activities,  
by S. Matsuda, H. Matsuda, 6 pp.

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Vol LXXVIII, No 6, 1957, pp 814-817.

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Apr 62

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Gas Chromatography of Phenol, by A. Uehida,  
S. Matsuda,  
JAPANESE, PER, J. Chem. Soc. Japan, Vol 65,  
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Sai-MJM  
Jul 86

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On the Chemical Conversion of Atropine in  
the Liver; Pharmacological Action of  
Atropine Oxidised to Aldehyde (Atropanal)  
by K. Matsuda.  
JAPANESE, per Jap. J. Med. Sc. Part. 4,  
Vol. 13, No. 1/2, 1940, pp 4-5  
NRC/c-5571

*K. MATSUDA*

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Atropine Oxidized to Aldehyde (atropinal).  
by K. Matsuda.

JAPANESE, per, Jap. Journal of Medical  
Sciences, Vol 13, No 4, 1940, pp 4-5 No.1/2.  
NLL Ref: 3542 1965 (T 114 G)

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Scientific - Electricity

Matsuda, H. and Matsuda, S.  
QUANTITATIVE ANALYSIS OF HALOGENS IN  
ALKYL TIN HALIDES BY HIGH-FREQUENCY TI-  
TRATION. [1961] 5p.  
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Trans. of Kogyo Kagaku Zasshi (Japan) 1961, v. 64,  
no. 3, p. 539-540.

DESCRIPTORS: \*Halogens, Quantitative analysis,  
Alkyl radicals, Halides, High frequency, Titration,  
Tin compounds.

(Engineering--Chemical, TT, v. 7, no. 10)

62-12074

- I. Matsuda, H.
- II. Matsuda, S.
- III. ATS-28N56]
- IV. Associated Technical  
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Studies of Maleic Anhydride Derivatives and  
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Derivatives and Their Anticonvulsant Activities,  
by S. Matsuda, H. Matsuda, 6 pp.

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SLA 60-16677

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On the Chemical Conversion of Atropine in  
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JAPANESE, per, Jap J Med Sci Part IV,  
Vol 15, Nos 1/2, 1940, pp 4-5.  
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*Katsuiti Matsuda*

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On the Theory of the Randles-Sevcik Cathode-Ray  
Polarography, by Hiroaki Matsuda, Yuzo Ayabe,  
29 pp.

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pp 494-503. 9201240

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Contribution to the Theory of Alternating Current  
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TT-65-13437

Field 7D

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Order from SLA: \$5.60 as TT-65-13437

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1. Title: General ...

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Polarographic Investigations of the Discharge  
Kinetics of Complex Metal Ions. III.  
Generalized Method of Analysis of the  
Current-Potential Curves and their  
Application to Zinc-Acetate-Complexes,  
by H. Matsuda, Y. Ayabe, K. Aichi,  
20 pp.

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Vol 67, No 6, 1963, pp 593-601.

SLA TT-64-30699

*H. Matsuda*

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Sci  
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Ion Optics Part II Second-order Aberration,  
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JAPANESE, per, Shitaurvo Burscki, Vol 12, No 27,  
1964, pp 165-179. RB11069266  
ARC 44-1493 Pt 2A

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*H. Matsuda*

Sci/Physics  
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Ion optics Part I Ion optics by First Order  
Approximation (Continued), by H. Matsuda,  
JAPANESE, per, Shitsuryo Bunsoki, Vol 13,  
No 28, 1964, pp 195-115. PS11048200  
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*H. Matsuda*

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Approximation, by H. Matsuda.  
JAPANESE, for, Mitsunyo Bunseki, Vol 12,  
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On Electric Cutting, by C. Matsuda, M. Motoki. UNCL

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Sci - Engr  
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Crustal Structure of the South Fossa Magna,  
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by Tokihiko Matsuda, 10pp.

JAPANESE, per, Daigaku Jishin Kenyūjo Iho,  
Vol 40, 1968, No 2, pp 357-369.

*Tokihiko Matsuda*  
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Apr 67

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JAPANESE, per, Shitsuryo Sunseki, Vol 12, No 25,26,  
1964, pp 47-58, 105-113.  
NLL 5828.4F (11871)

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Sci - Phys  
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On the Electric Cutting of Cast Iron Metal and  
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S. Wajima. UNCL

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OXO-PRODUCT FROM PROPYLENE. Oct 62, 20p.  
Order from SA \$22.00 SA Code-T1

I. Matsuda, A.  
II. Uchida, H.  
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IV. Seizaburo Aoki (Japan)

Trans. of [Tokyo Kogyo Shikensho Hokokai] (Japan) 1962,  
v. 57, no. 1, p. 50-57.

DESCRIPTORS: \*Propenes, Oxidation, Mixtures,  
Boiling, Distillation, Hydrogenation, Gas chromatog-  
raphy, Infrared spectroscopy, Nuclear resonance,  
Molecular weight, Ethanol, Methanol, Pentanol,  
Aldehydes.

105955

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(Chemistry--Analytical, TT, v. 9, no. 1)

TT-65-28067 Field 7C

Matsubara, Y.; Heya, Y.; Alzawa, H.  
ETUDE SUR L'AUTOXYDATION DE L'HYDROCARBURE  
TERPENIQUE SATURE. CNRS-G/X-1775; Org.30-8.1.2.  
Order from CNRS as G/X-1775

Trans. in French of Nihon Kagaku Zasshi (Japan) v81 n3  
p476-81 1960.

I. Centre National de la  
Recherche Scientifique,  
Paris (France)

TT-45-28067 Field 7C

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ETUDE SUR L'AUTOXYDATION DE L'HYDROCARBURE  
TERPENIQUE SATURE. CNRS-G/X-1775; Org.30-4.1.2.  
Order from CNRS as G/X-1775

Trans. in French of Nihon Kagaku Zasshi (Japan) vol 83  
p476-81 1960.

L. Centre National de la  
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ET AL, 19 PP.

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SCI - MEDICINE

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Nov 53 CTS

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Friction Characteristics of  $\gamma$  - Irradiated Polymers,  
by K. Matsubara, M. Watanabe.  
JAPANESE, per, Genshiryoku Kogyo, Vol 10, No 9, 64  
1964, pp 49-55. 9233240  
AEC UCRL-tr-10037

*K. Matsubara*

Sci/Electronics  
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(FDD 22027)

Investigation Into Friction and Lubrication of  
Nylon (1), by K. Matsubara, 23 pp.

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Laboratory, Tokyo, pp 9-19.

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Sci - Physics

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The Velocity of Dependence of the Friction of  
Teflon and Its Wear Properties, by K. Mitsuhashi.

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pp 115-123.

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Sci - Physics  
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Frictional Properties of High Polymers <sup>90</sup>  
Irradiated by Gamma Rays, by K. Matsubara.  
JAPANESE, pub. Kanbunkyoku Kagaku, Tokyo,  
Vol 1, No 9, Sept 1964, pp 40-55.  
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RUC April 20, 1966

*K. Matsubara*

Sci-Phys  
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Effects of Gamma-irradiation on Tulip (II)  
Effects on Various Stages of the Development,  
by Hisao MATSUBARA, Shozo IGA, et al.  
JAPANESE, rpt, Tokyo Metropolitan Isotope Centre,  
Ann. Rept, No 2, 1963, pp 157-162. 9233270  
AEC NSJ-tr-53

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Studies on the Mechanism of Synergistic Action in  
Insecticides. II. The Inhibitory Action of Piperonyl  
Butoxide on the Detoxification of Pyrethroids by  
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1954, pp 61-69.

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Mechanism of Anaphylaxis, by V. B. Kats-Rosias'ka,  
3 pp.

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Eci - Med  
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Acetylene Derivatives, 129. Heterocyclic Compounds.  
Oxidative Transformation of 1-Phenyl-2,5-Dimethyl-4-  
piperidone, by I. M. Fazarov, S. G. Matsuyan, V. A.  
Rudenko, 6 pp.

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No 6, Nov-Dec 1952, pp 1069-1074.

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XXIII. Action of Primary Aromatic Amines and  
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of Aryl-Substituted  $\delta$ -Piperidones and 1-( $\delta$ -Pyridyl)  
 $\delta$ -Piperidones, by I. N. Mezarov, S. G. Matsoyan, V. A.  
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The Chemistry of Vinylacetylene. XI. The  
Mechanism and Direction of the Hydration of  
Ethers of Vinylacetylene-Carbinols, by  
S. G. Matsoyan, G. A. Chukhadshyan, S. A.  
Vartanyan, 6 pp.

RUSSIAN, *ibid.*, Zhur. Obshch. Khim., Vol XXIX, No 2,  
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acetylenic Hydrocarbons in Solutions of Alcohols  
and Phenols, by I. N. Nazarov, S. A. Vartanyan,  
S. G. Matsuyan, 4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXV,  
No 6, 1955, pp 1111-1116.

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Scientific - Chemistry

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Matsuyan, S. G. and Avetyan, M. G.  
SYNTHESIS AND CYCLOPOLYMERIZATION OF  
DIVINYL ACETALS. [1961] 2p.  
Order from ATS \$2.50                      ATS-99N48R

Trans. of Zhurnal Obshchey Khimii (USSR) 1960,  
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1. Acetals--Synthesis
  2. Acetals--Polymerization
  3. Vinyl polymers--Synthesis
- I. Matsuyan, S. G.
  - II. Avetyan, M. G.
  - III. ATS-99N48R
  - IV. Associated Technical Services, Inc., East Orange, N. J.

*ATS-RJ-3614*

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(Chemistry--Organic, TT, v. 5, no. 10)

INVESTIGATIONS IN THE FIELD OF CYCLIC  
POLYMERIZATION AND COPOLYMERIZATION.  
III. SYNTHESIS AND CYCLIC POLYMERIZATION  
OF ALIPHATIC DIVINYL ACETALS, BY  
S. G. MATSOYAN, ET AL.

RUSSIAN, PER, VYSOKOMOLEKUL. SOEDINENIYA,  
VOL 111, 1961, PP 562-569.

NLL N. 1878 3485

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SCI - CHEM

Matsuyan, S. G., Elyazyan, M. A., and  
Gevorkyan, E. Ts.  
STUDIES IN CYCLIC POLYMERIZATION AND  
COPOLYMERIZATION. X. A STUDY OF THE  
ABILITY OF SOME ALIPHATIC DIVINYLACETALS  
TO UNDERGO CYCLIC POLYMERIZATION. Sep 63,  
6p 7refs  
Order from PP \$-40.00/year in Polymer Science USSR,  
v. 4, no. 3, p. 476-481

Trans. of Vysokomolekulyarnye Soedineniya (USSR)  
1962, v. 4, no. 10, p. 1515-1519. (Abstract available)

DESCRIPTORS: \*Acetal plastics, Aliphatic compounds,  
\*Vinyl radicals, Aldehydes, Acetals, Polymerization.

Divinylacetal, divinylacetal, divinyl-3-methoxy-  
propanal, divinyl-3-ethoxypropanal, divinyl-3-n-  
propoxypropanal, divinyl-3-(1-chloro-ethyl)propanal  
(Materials--Plastics, TT, v. 11, no. 1) (over)

TT-63-22211-3 (p. 476-481)

I. Matsuyan, S. G.  
II. Elyazyan, M. A.  
III. Gevorkyan, E. Ts.  
IV. Title: Study...

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Heterocyclic Compounds. XXV. Synthesis of  
Secondary and Tertiary 2,5-Dimethyl-1-phenyl-  
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Nazarov, S. G. Matsuyan, V. A. Rudenko, 11 pp.

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Nauk, No 2, Mar/Apr 1953, pp 303-313.

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Nazarov, S. A. Vartanyan, S. G. Matsoyan, V. N.  
Zhamagortayan, 4 pp.

Full translation.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIII,  
No 12, 1953, pp 1986-1989. CIA D 151308

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Scientific - Chemistry  
May 55 CTS

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Acetylene Derivatives. 164. The Action of Primary  
and Secondary Amines on Tetrahydro-4-Pyrones,  
by I. N. Nazarov, S. G. Matsuyan, S. A. Vartanyan,  
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5 pp.

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Sci

Apr 60

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of Unsaturated  $\alpha$ -Acetoxy Ketones, by I. I. N.  
Kazarov, S. G. Matsuyan, 12 pp.

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Oct 58

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and S. A. Vartanyan, 8 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 7,  
1957, pp 1818-1826.

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Sci - Chem

Oct 1958

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Acetylene Derivatives. 186. Hydration of the  
Acetates of Tertiary Vinylidene Carbimols  
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